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SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE August 10, 1984

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of July, 1984)

The total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters took a dramatic step upward during the month of July, increasing by twenty-nine crews. According to the Society of Exploration Geophysicists' latest monthly report, the July total was 529, up from 500 in June. The twenty-nine crew increase was the largest single monthly increase since June, 1981, when the total increased by thirty-five crews.

The July total (529) represents an increase of 6% over last month, a 10% increase over July, 1983, an 11% decrease from July, 1982, a 26% decrease from July, 1981, a 5% decrease from July, 1980, a 30% increase over July, 1979, and a gain of 44% over the same month in 1978.

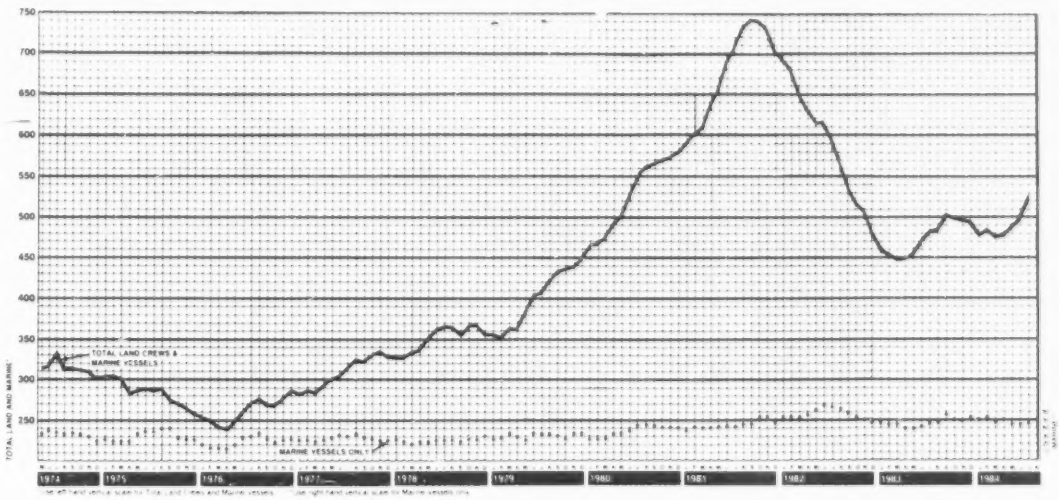
During July, eight contractors were operating thirteen of the 445 land crews and six of the thirty-nine vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	July 83	July 82	July 81	July 80	July 79	July 78
	529	500	483	593	711	556	407	367

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	July 1983	July 1982	July 1981	July 1980	July 1979	July 1978	This Mo.	Last Mo.	July 1983	July 1982	July 1981	July 1980	July 1979	July 1978
84 Contr's:	445	418	397	484	625	475	337	303	39	38	41	58	36	35	26	21
10 Oil Co's:	37	37	40	43	43	39	39	38	7	7	5	7	6	6	4	4
1 Gov't.:	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1
Totals:	482	455	437	527	668	514	376	341	47	45	46	66	43	42	31	26

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity)



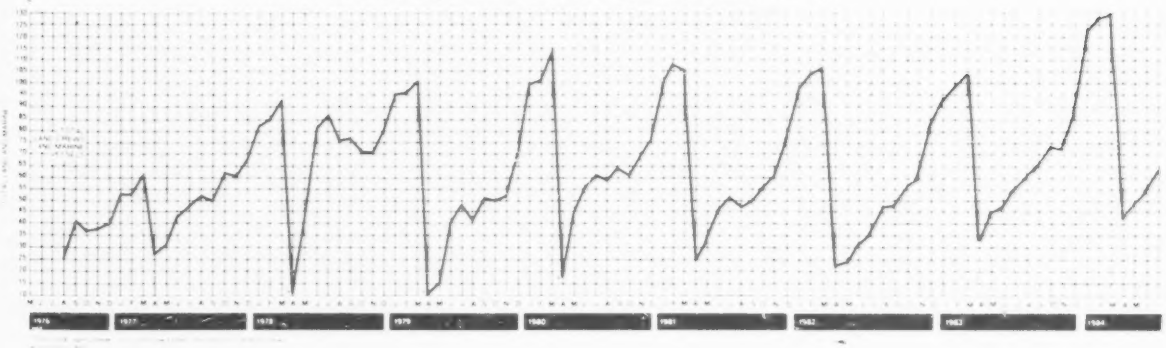
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

July, 1984 (June figures in parentheses)

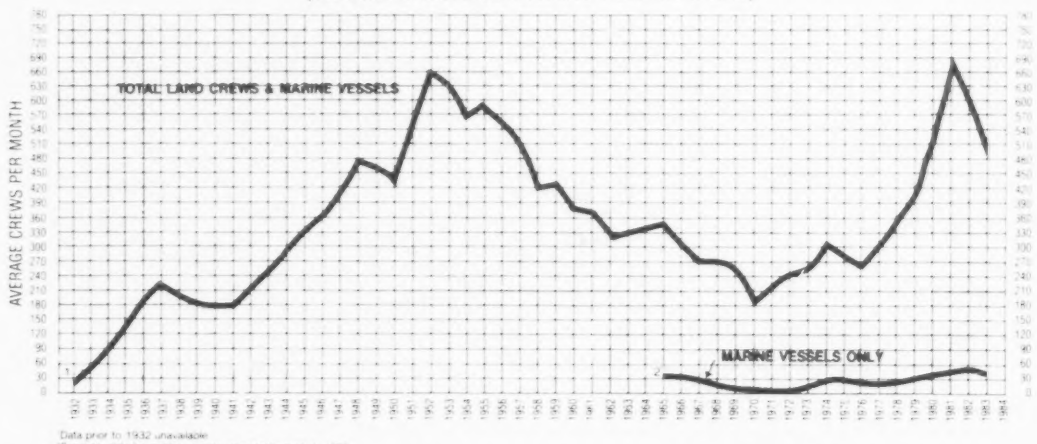
	Land Crews	Marine Vessels
29 Contractors:	52 (50)	7 (2)
2 Oil Companies:	5 (3)	0 (0)
Totals:	57 (53)	7 (2)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed in part by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1946

DAVID L. YOWELL
Assistant Executive Director

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SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

September 10, 1984

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT

(Month of August, 1984)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during August decreased by six crews and vessels over July. The August total was 523, compared with 529 in July.

The August total (523) represents a decrease of 1% from last month, an 8% increase over August, 1983, a 7% decrease from August, 1982, a 29% decrease from August, 1981, a 7% decrease from August, 1980, a 23% increase over August, 1979, and a gain of 43% over the same month in 1978.

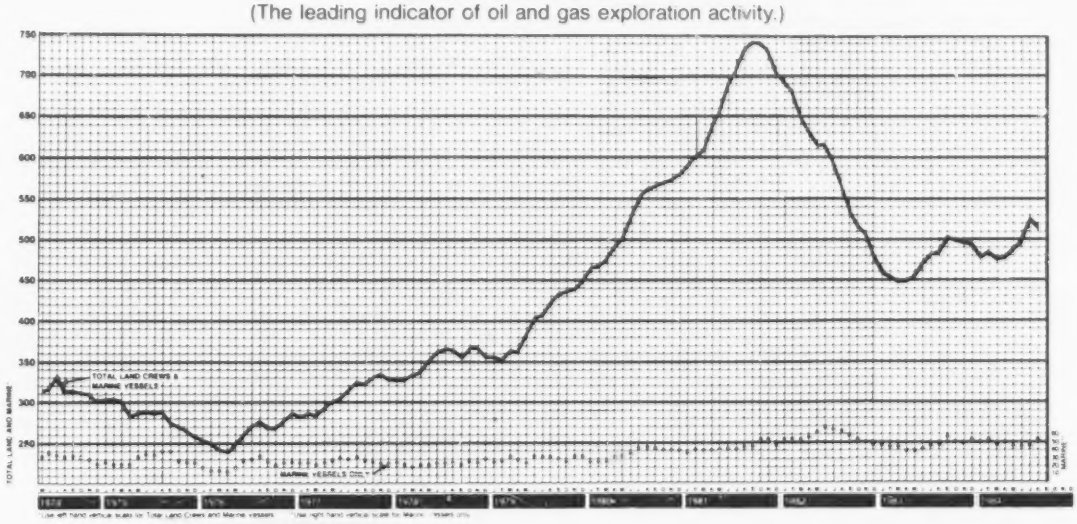
During August, ten contractors were operating sixteen of the 433 land crews and seven of the forty-five vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 523	Last Month 529	Aug. 83 484	Aug. 82 562	Aug. 81 735	Aug. 80 565	Aug. 79 424	Aug. 78 365

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Aug. 1983	Aug. 1982	Aug. 1981	Aug. 1980	Aug. 1979	Aug. 1978	This Mo.	Last Mo.	Aug. 1983	Aug. 1982	Aug. 1981	Aug. 1980	Aug. 1979	Aug. 1978
84 Contr's:	433	445	396	458	646	482	354	301	45	39	43	54	39	36	25	22
10 Oil Co's:	37	37	39	42	43	39	39	37	7	7	6	7	6	7	5	4
1 Gov't.:	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1
Totals:	470	482	435	500	689	521	393	338	53	47	49	62	46	44	31	27

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

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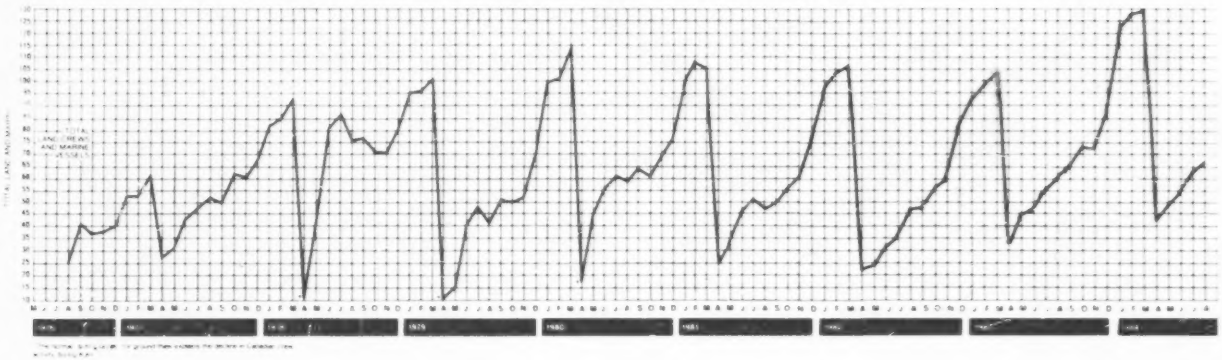
AN SEISMIC CREW COUNT

Aug. 984 (July figures in parentheses)

	Land Crews	Marine Vessels
20 Contractors:	55 (52)	9 (7)
2 Oil Companies:	3 (5)	0 (0)
Totals:	58 (57)	9 (7)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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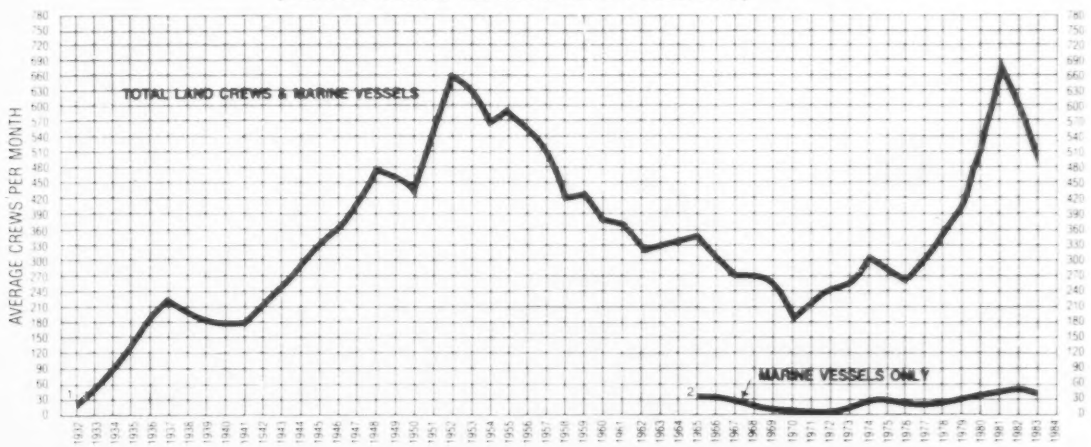
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



[1]Data prior to 1932 unavailable.
[2]Separate data for marine vessels unavailable prior to 1965.

DAVID L. YOWELL
Assistant Executive Director

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SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE October 8, 1984

MONTHLY SEISMIC CREW COUNT

(Month of September, 1984)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during September increased by one crew over August. The land crew total increased by two crews, but the marine vessel total decreased by one, for a net increase of one crew.

The September total (524) represents an increase of less than 1% over last month, a 5% increase over September, 1983, a 2% decrease from September, 1982, a 30% decrease from September, 1981, an 8% decrease from September, 1980, a 21% increase over September, 1979, and a gain of 48% over the same month in 1978.

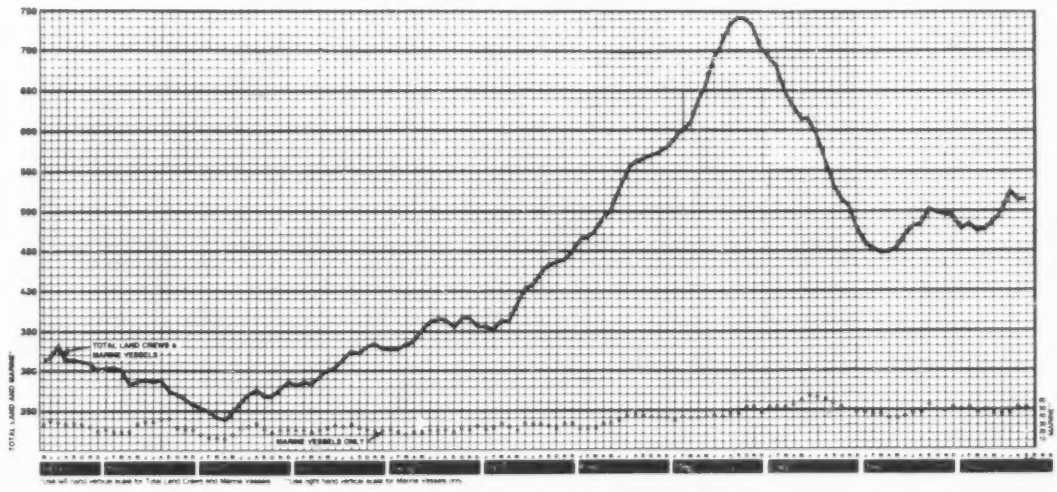
During September, twelve contractors were operating nineteen of the 435 land crews and four of the forty-four vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 524	Last Month 523	Sept'83 501	Sept'82 535	Sept'81 744	Sept'80 567	Sept'79 433	Sept'78 354

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Sept 1983	Sept 1982	Sept 1981	Sept 1980	Sept 1979	Sept 1978	This Mo.	Last Mo.	Sept 1983	Sept 1982	Sept 1981	Sept 1980	Sept 1979	Sept 1978
84 Contr's:	435	433	405	434	654	484	364	297	44	45	49	50	40	36	24	17
10 Oil Co's:	37	37	39	42	43	39	39	36	7	7	7	8	6	7	4	3
1 Gov't.:	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1
Totals:	472	470	444	476	697	523	403	333	52	53	57	59	47	44	30	21

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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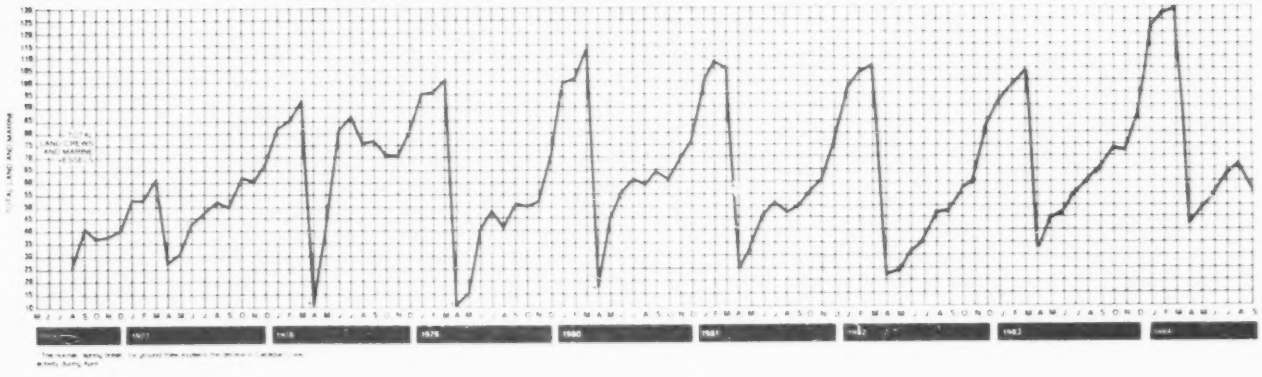
CANADIAN SEISMIC CREW COUNT

September, 1984 (August figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	43 (55)	10 (9)
2 Oil Companies:	3 (3)	0 (0)
Totals:	46 (58)	10 (9)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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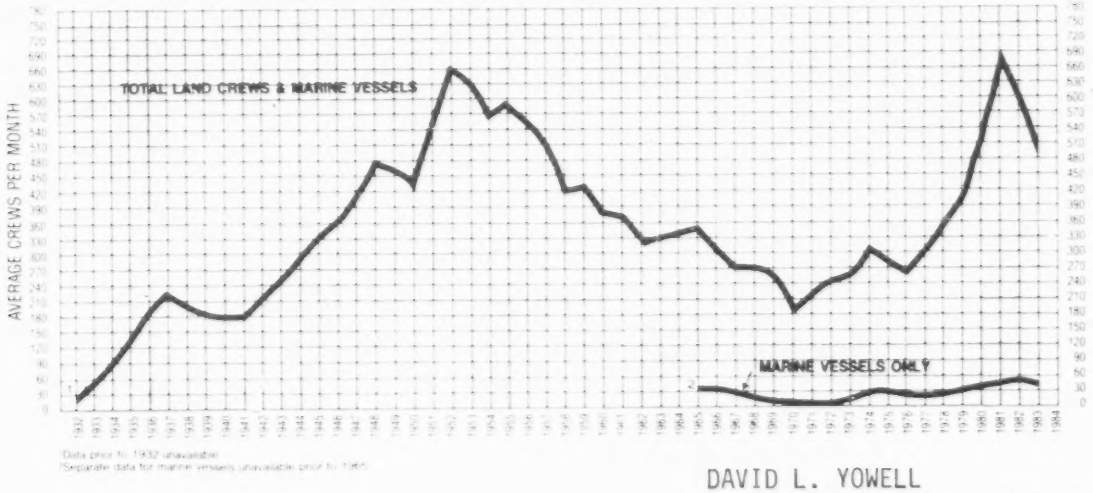

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